## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 16 December 2004 (16.12.2004)

**PCT** 

## (10) International Publication Number WO 2004/109286 A3

- (51) International Patent Classification<sup>7</sup>: G01N 33/574, 33/68, C12Q 1/68, C07K 16/28
- (21) International Application Number:

PCT/CA2004/000857

- (22) International Filing Date: 9 June 2004 (09.06.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/476,622 60/537,018 9 June 2003 (09.06.2003) US 20 January 2004 (20.01.2004) US

- (71) Applicant (for all designated States except US): THE UNIVERSITY OF BRITISH COLUMBIA [CA/CA]; #103-6190 Agronomy Road, Vancouver, British Columbia V6T 1Z3 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MCNAGNY, Kelly, M. [US/CA]; 4725 Blenheim Street, Vancouver, British Columbia V6L 3A5 (CA). ROSKELLEY, Calvin [CA/CA]; 5609 Kings Road, Vancouver, British Columbia V6T 1Z3 (CA). MERKENS, Helen [CA/CA]; 8463-12th Avenue, Burnaby, British Columbia V3N 2L8 (CA). SOMASIRI, Aruna [CA/CA]; #487, 6335 Thunderbird Cres., Vancouver, British Columbia V6T 2G9 (CA). HUNTSMAN, David [CA/CA]; 3622 West 18th Avenue, Vancouver, British Columbia V6S 1B2 (CA).

- (74) Agent: BERESKIN & PARR; 40 King Street West, Suite 4000, Toronto, Ontario M5H 3Y2 (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

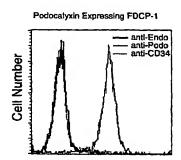
## Published:

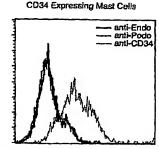
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 21 April 2005

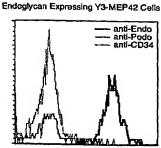
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR DETECTING AND TREATING CANCER USING PODOCALYXIN AND/OR ENDOGLYCAN

## The anti-mEndoglycan Antibody is Specific for Endoglycan







Relative Fluorescence Intensity (log10)

(57) Abstract: Methods and kits for detecting cancer and monitoring cancer progression are described. The method involves analyzing a sample containing nucleic acids or proteins from a patient for decreased expression of endoglycan and/or increased expression of podocalyxin.